

RAW SEQUENCE LISTING

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Application Serial Number: 10/549,782
Source: PCT
Date Processed by STIC: 10/03/2005

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/549,782

DATE: 10/03/2005

TIME: 14:29:44

Input Set : A:\Sequence listing - 09600-00035-US.txt
 Output Set: N:\CRF4\10032005\J549782.raw

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3 <110> APPLICANT: Egorova, Ksenia
4   Antranikian, Garabed .
5   Trauthwein, Harald
6   Verseck, Stefan
7   Dingerdissen, Uwe
9 <120> TITLE OF INVENTION: THERMALLY STABLE AMIDASES
11 <130> FILE REFERENCE: 09600-00035-US
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/549,782
C--> 13 <141> CURRENT FILING DATE: 2005-09-19
13 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/001430
14 <151> PRIOR FILING DATE: 2004-02-16
16 <150> PRIOR APPLICATION NUMBER: DE 103 12 842.5
17 <151> PRIOR FILING DATE: 2003-03-21
19 <160> NUMBER OF SEQ ID NOS: 4
21 <170> SOFTWARE: PatentIn version 3.3
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 9
25 <212> TYPE: PRT
26 <213> ORGANISM: Pseudonocardia thermophila
28 <400> SEQUENCE: 1
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35 <211> LENGTH: 14
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37 <213> ORGANISM: Pseudonocardia thermophila
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56 Gly Arg Phe Gly Ile Pro Val Val Val Ile Cys Arg Thr Tyr His Asp
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60 Leu Gly His Arg Pro Ala Arg Leu Val Glu Gln Gly Arg Arg Ala Val
61           35           40           45
64 Arg Gly Gly Gly Pro His Pro Ala Ala Leu Val Asp Pro Pro Arg
65           50           55           60
68 Arg Arg Gly Arg Gln Ala Arg Arg Val Gly Gly Ala Asp Leu Asp His

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69	65	70	75	80
72	Arg Asn Leu Gly Gly Ala Ala Arg Arg Pro His Gly Arg Gly Gln Asp			
73		85	90	95
76	Asn Val Ala Val Ala Gly Val Pro Met Met Asn Gly Ser Arg Thr Leu			
77		100	105	110
80	Glu Gly Phe Val Pro Ala Glu Asp Ala Thr Val Val Ser Arg Leu Leu			
81		115	120	125
84	Ala Ala Gly Ala Thr Ile Ala Gly Lys Ser Val Cys Glu Asp Leu Cys			
85		130	135	140
88	Phe Ser Gly Gly Ser His Thr Ser Lys Pro Gly Thr Val His Asn Pro			
89		145	150	155
92	Trp Asp Met Ser Arg Ser Ala Gly Gly Ser Ser Ser Gly Ser Gly Ala			
93		165	170	175
96	Leu Val Ala Ala Gly Glu Val Asp Met Ala Ile Gly Gly Asp Gln Gly			
97		180	185	190
100	Gly Ser Ile Arg Ile Pro Ser Ala Tyr Cys Gly Thr Val Gly His Lys			
101		195	200	205
104	Pro Thr His Gly Leu Val Pro Tyr Thr Gly Gly Phe Pro Ile Glu Gln			
105		210	215	220
108	Ser Ile Asp His Leu Gly Pro Ile Thr Arg Thr Val Ala Asp Ala Ala			
109		225	230	235
112	Leu Met Leu Ser Val Ile Ala Gly Arg Asp Gly Leu Asp Pro Arg Gln			
113		245	250	255
116	Pro Asp Val Val Glu Val Gln Asp Tyr Val Gly Ala Leu Ala Glu Ser			
117		260	265	270
120	Val Ser Gly Leu Arg Ile Gly Val Leu Gln Glu Gly Phe Gly His Pro			
121		275	280	285
124	Asn Ser Glu Pro Glu Val Asp Asp Thr Val Arg Ala Ala Val Gly Thr			
125		290	295	300
128	Leu Arg Glu Ala Gly Phe Thr Val Glu Asp Val Ser Val Pro Trp His			
129		305	310	315
132	Leu His Ala Thr Ala Ile Trp Asp Val Leu Ala Thr Glu Gly Gly Leu			
133		325	330	335
136	Trp Gln Met Val Glu Gly Asn Ala Tyr Gly Met His Trp Lys Gly His			
137		340	345	350
140	Tyr Asp Pro Ser Leu Ile Ala Tyr Tyr Gly Arg Lys Trp Arg Glu Asp			
141		355	360	365
144	Pro Ala Gln Phe Ser Glu Thr Val Lys Leu Val Ala Leu Ala Gly Arg			
145		370	375	380
148	Tyr Ala Leu Thr Thr Gln Tyr Gly Arg His Tyr Ala Met Ala Arg Asn			
149		385	390	395
152	Leu Ala Pro Lys Leu Val Ala Ala Tyr Asp Ala Ala Leu Ser Asn Tyr			
153		405	410	415
156	Asp Val Leu Val Met Pro Thr Leu Pro Met Arg Ala Thr Val Leu Pro			
157		420	425	430
160	Gly Pro Asp Ala Pro Val Glu Glu Ile Leu Ala Arg Gly Leu Glu Met			
161		435	440	445
164	Leu Ala Asn Thr Ala Pro Phe Asp Val Thr Gly His Pro Ala Cys Ser			
165		450	455	460

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168	Val	Pro	Ala	Gly	Leu	Ala	Asp	Gly	Leu	Pro	Val	Gly	Leu	Met	Ile	Val	
169	465				470				475								480
172	Gly	Lys	His	Phe	Asp	Asp	Ala	Thr	Val	Leu	Lys	Val	Ala	Asn	Ala	Phe	
173				485					490								495
176	Glu	Gln	Ala	Val	Gly	Gly	Phe	Pro	Thr	Pro	Ala	Ala	Glx				
177				500				505									
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181	<211>	LENGTH:	1527														
182	<212>	TYPE:	DNA														
183	<213>	ORGANISM:	Pseudonocardia thermophila														
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190	gttggaaacaag	gtcgaagagc	tgtacgcgga	ggtggccccc	accccgccgc	agcgctcgta											180
192	gaccggccccc	gacgcccggagg	acgacaagct	cgccgcgtgg	gccccgtcaga	cctcgatcac											240
194	cggaaacctcg	gaggggccgc	tccgcggccg	cacggtcgcg	gtcaggacaa	cgtcggccgtc											300
196	gcccggcgtgc	cgatgtatgaa	cgatgcggg	accctggagg	gttgcgtccc	cgccgaggac											360
198	gcccaccgtcg	tgtcccggtc	gtcgcgcgacca	tcgcgggcaa	gtcggtgtgc												420
200	gaggacactgt	gttctccgg	cggtcgac	accagcaagc	cgggAACCGT	gcacaACCCG											480
202	tggggacatga	gcccgtcgcc	gggtgggttc	tccggatgt	gccccggcgt	gttggccgccc											540
204	ggcgaggtcg	acatggccat	cgccgggtgac	caggcggtgt	cgatccgcat	cccgctggcg											600
206	tactgcggca	ccgtcgccgca	caagccgacc	cacggcctgg	tccgtacac	cgagggttc											660
208	cccgatcgagc	agtgcgtcg	ccaccccgcc	ccgatcaccc	gcaccgtcg	cgacgcccgc											720
210	ctcatgtgt	cggtgtatcg	cgccggcgac	gggctcgacc	cgccggcgac	cgacgtcg											780
212	gaggtgcagg	actacgtcg	cgccgtggcc	gagtcgggt	gccccgtcgc	catcgccgtc											840
214	ctgcaggagg	gttccgtca	ccccaaactcc	gagcccgagg	tcgacgacac	cgtgcgcgt											900
216	gctgtcgcc	cactgcgcg	ggccggcttc	accgtcgagg	acgtctcggt	cccggtggcac											960
218	ctgcacgcca	cggccatctg	ggacgtcg	gccacccgagg	gccccctgt	gcagatggtc											1020
220	gagggcaacg	cctacggcat	gcactggaa	ggccactacg	acccgtcgct	catcgccctac											1080
222	tacgggcgca	agtggcgcc	gacccggcg	cagttctccg	agacggtaa	gtcggtcgcc											1140
224	ctcgccggcc	gttacgcgt	cacgaccac	tacgggcgca	actacgcgt	ggccgcgcaac											1200
226	ctcgccccca	agctgggtcg	ggccatcgac	gccccgtgt	cgaactacga	cgtgtcg											1260
228	atgcccacgc	tgcgtatcg	cgccaccgt	ctgcggggcc	cgacgcgc	cgtcgaggag											1320
230	atccctcgcca	ggggcctgg	gtatgtggcc	aacaccgcac	gttgcacgt	caccgggcac											1380
232	ccggccctgt	ctgtcccgcc	cgccctcgcc	gacggcttc	cggtcgcc	gtatgtcg											1440
234	ggcaagcact	tcgacgacgc	caccgtcg	aagggtggcga	acgccttcga	acaggccgtc											1500
236	ggccggcttc	cgaccccccgc	tgcctga														1527

VERIFICATION SUMMARY

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L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date